## PHOSPHORS CONTAINING OXIDES OF ALKALINE-EARTH AND GROUP-IIIB METALS AND WHITE-LIGHT SOURCES INCORPORATING SAME

## ABSTRACT OF THE DISCLOSURE

[0061] A phosphor comprises a material having a formula of AMgD<sub>10</sub>O<sub>17</sub>:Eu<sup>2+</sup>,Mn<sup>2+</sup>, wherein A is at least an alkaline-earth metal selected from the group consisting of Ba, Sr, Ca, and combinations thereof; and D is at least a metal selected from the group consisting of Al, Ga, In, and combinations thereof; wherein Eu<sup>2+</sup> ions are present in an amount from about 10 to about 50 atom percent of a combined quantity of A ions and europium ions, and Mn<sup>2+</sup> ions are present in an amount from about 5 to about 30 atom percent of a combined quantity of magnesium ions and manganese ions. The phosphor is used alone or in conjunction with other phosphors to convert UV/blue radiation emitted by a source, such as an LED or a gas discharge device, to visible light.